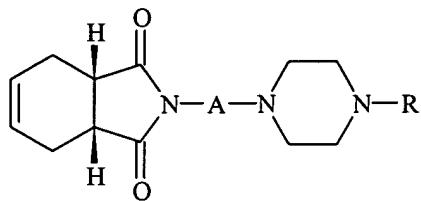


In the Claims:

1. (Currently Amended) A compounds having the structure of Formula I

*Q'*



**FORMULA - I**

its and their pharmaceutically acceptable salts, amides, enantiomers, diastereomers, N-oxides, prodrugs, metabolites or their polymorphs, wherein A is a straight or branched C<sub>1</sub>-C<sub>4</sub> alkyl chain; R is cinnamyl, benzyl, substituted benzyl, phenyl, mono- or disubstituted phenyl group substituted with the substituents independently selected from the group consisting of halogen, hydroxy, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, trifluoromethyl, nitro, <sup>and</sup> trifluoroalkoxy group, or <sup>and</sup> R <sub>1,5</sub> (dihalodiphenyl) methyl.

2. Cancelled

3. (Currently Amended) ~~The Compounds according to claim 1 selected from the group consisting of:~~

- 2-[3-{4-(2-Methoxyphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 01);
- 2-[3-{4-(3-Chlorophenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 02).
- 2-[3-{4-(2-Methylphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 03).

*Q1*

- 2-[3-{4-(4-Fluorophenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 04);
- 2-[3-{4-(3-Trifluoromethylphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 05);
- 2-[3-{4-(2-Fluorophenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 06);
- 2-[3-{4-(3,4-Dimethylphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 07);
- 2-[3-{4-(2-Methoxy-5-fluorophenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 08);
- 2-[3-{4-(2-Ethylphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 09);
- 2-[3-{4-(2,4-Difluorophenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 10);
- 2-[3-{4-(2-Ethoxyphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 11);
- 2-[3-{4-(2-Methyl-5-chlorophenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 12);
- ~~2-[3-{4-(Phenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 13).~~
- 2-[3-{4-(Benzyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 14);
- 2-[3-{4-(Cinnamyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 15);
- 2-[3-{4-(4-Nitrophenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 16);
- 2-[3-{4-(3-Chloro-4-methylphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 17);
- 2-[3-{4-(4-Fluoro-2-methoxyphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 18);

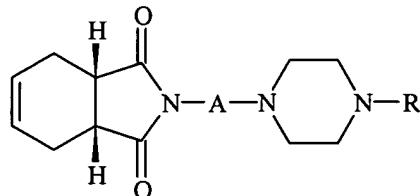
*A'*

- 2-[3-{4-(Bis-4-fluorophenyl)methylpiperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 19);
- 2-[3-{4-(2,4-Dichlorophenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 20);
- 2-[3-{4-(2,4-Dimethoxyphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 21);
- 2-[3-{4-(2,6-Dimethylphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 22);
- 2-[3-{4-(2-Isopropoxypyphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 23);
- 2-[3-{4-(2-Propoxypyphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 24);
- 2-[3-{4-(2-n-Hexyloxyphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 25);
- 2-[3-{4-(2,5-Dimethoxyphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 26);
- 2-[3-{4-(4-tert-Butylphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 27);
- 2-[3-{4-(2-Methoxy-6-hydroxyphenyl)piperazin-1-yl}propyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 28);
- 2-[3-{4-(2-Methoxyphenyl)piperazin-1-yl}-3-methylpropyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 29);
- 2-[3-{4-(2-Methoxyphenyl)piperazin-1-yl}-2-methylpropyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 30);
- 2-[3-{4-(2-Ethoxyphenyl)piperazin-1-yl}-3-methylpropyl]-3a,4,7,7a-tetrahydro-1H-isoindole-1,3(2H)-dione (Compound 31).

4. (Cancelled)

5. (Currently Amended) A method for treating benign prostatic hyperplasia in a mammal comprising administering to said mammal a compound having the structure of Formula I

a'



**FORMULA - I**

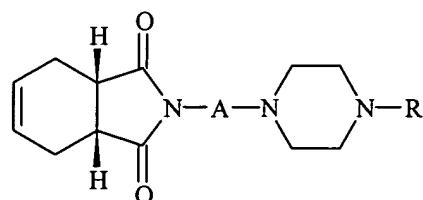
or its pharmaceutically acceptable salts, amides, enantiomers, diastereomers, N-oxides, prodrugs, metabolites or their polymorphs, wherein A is a straight or branched C<sub>1</sub>-C<sub>4</sub> alkyl chain; R is cinnamyl, benzyl, substituted benzyl, phenyl, mono- or disubstituted with the substituents independently selected from the group consisting of halogen, hydroxy, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, trifluoromethyl, nitro, trifluoroalkoxy group, or (dihalodiphenyl) methyl.

6. (Currently Amended) A pharmaceutical composition comprising the a compound of claims 1 or 3 and a pharmaceutical acceptable carrier.

7. (Cancelled)

8. (Currently Amended) A method for treating benign prostatic hyperplasia in a mammal comprising the step of administering to the said mammal, the pharmaceutical composition according to claim 6.

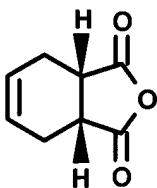
9. (Currently Amended) A process for preparing a compounds of Formula I



**FORMULA - I**

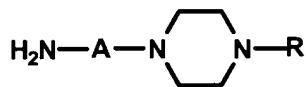
*A'*

or its and their pharmaceutically acceptable salts, amides, enantiomers, diastereomers, N-oxides, prodrugs, metabolites or their polymorphs, wherein A is a straight or branched C<sub>1</sub>-C<sub>4</sub> alkyl chain; R is cinnamyl, benzyl, substituted benzyl, phenyl, mono- or disubstituted phenyl group substituted with the substituents independently selected from the group consisting of halogen, hydroxy, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy, trifluoromethyl, nitro, trifluoroalkoxy group, or (dihalodiphenyl) methyl, ~~which comprises comprising~~ reacting a compound cis 1,2,3,6-tetrahydronaphthalic anhydride of Formula II



FORMULA II

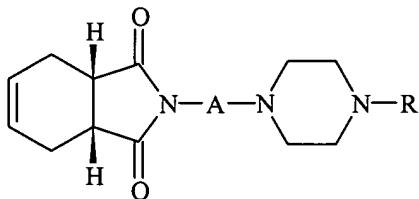
with piperazine derivatives 1-amino-4-substituted piperazinyl alkane of Formula III,



FORMULA III

as shown in Scheme I wherein A and R are the same as defined above, in the presence of a solvent selected from the group consisting of pyridine, n-butanol, benzene and xylene.

10. (Currently Amended) A process for preparing a compounds of Formula I



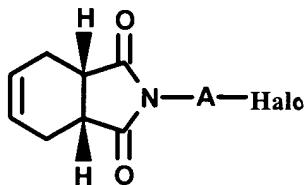
FORMULA - I

or its and their pharmaceutically acceptable salts, amides, enantiomers, diastereomers, N-oxides, prodrugs, metabolites or their polymorphs, wherein A is a straight or branched C<sub>1</sub>-C<sub>4</sub> alkyl chain;

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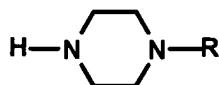
R is cinnamyl, benzyl, substituted benzyl, phenyl, mono- or disubstituted phenyl group substituted with the substituents independently selected from the group consisting of halogen, hydroxy, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, trifluoromethyl, nitro, trifluoroalkoxy group or(dihalodiphenyl) methyl, ~~which comprises~~ comprising reacting

1-( $\omega$ -haloalkyl)cis-3a,4,7,7a-tetrahydropthalimide of Formula IV, wherein A is the same as



FORMULA IV

defined above, with a compound 1-substituted piperazine of Formula V,



FORMULA V

wherein R is the same as defined above, as shown in Scheme II.

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